DOI: <https://doi.org/10.15407/techned2020.04.051>

USING THE CONCEPT OF POWER FACTOR FOR ESTIMATING THE DEVICES EFFICIENCY FOR CORRECTION OF NETWORKS TRANSITIONAL MODES

Journal	Tekhnichna elektrodynamika
Publisher	Institute of Electrodynamics National Academy of Science of Ukraine
ISSN	1607-7970 (print), 2218-1903 (online)
Issue	No 4, 2020 (July/August)
Pages	51 - 54

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Abstract

The expansion of the concept of power factor, that defined for circuits with periodic voltage and currents, to three-phase circuits with asymmetric non-periodic voltage and currents is justified. It is shown that this concept is advisable both when considering transients these occur in electric networks in the start-up modes of powerful asynchronous machines, and when evaluating the effectiveness of the use of various technical devices for these modes for correcting. References 6, figures 2.

Key words: power factor, circuits of asymmetrical non-periodic voltages and currents, estimation of efficiency of modes correction means of electric network.

Received: 04.03.2020

Accepted: 06.04.2020

Published: 26.06.2020

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